

ABSTRACT OF THE DISCLOSURE

There are provided an azimuth measurement device and its method for realizing an update of an offset calculated from the data acquired by azimuth measurement. A geomagnetism output measured by a 3-axis magnetic sensor is amplified and input to an A/D conversion section. A chopper section is arranged for switching the terminals for driving an X-axis, Y-axis and a Z-axis magnetic sensor and applies drive voltage output from a drive power source section to the X-axis, the Y-axis and the Z-axis magnetic sensor. The output amplified value amplified by the amplification section is converted from an analog signal to a digital signal by the A/D conversion section and then is input to a sensitivity/offset correction calculation section. Output data from this sensitivity/offset correction calculation section is input to an azimuth calculation section and the corresponding azimuth information is output. A reliability information calculation section outputs reliability information.